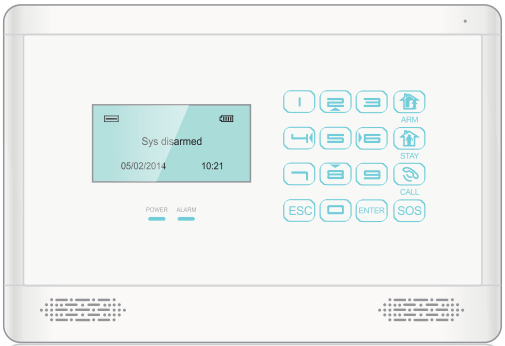
PHONE CALL
PSTN Alarm System

PSTN Auto-Dial Alarm System



User's Manual

For a better understanding of this product, please read this user manual thoroughly before using it.

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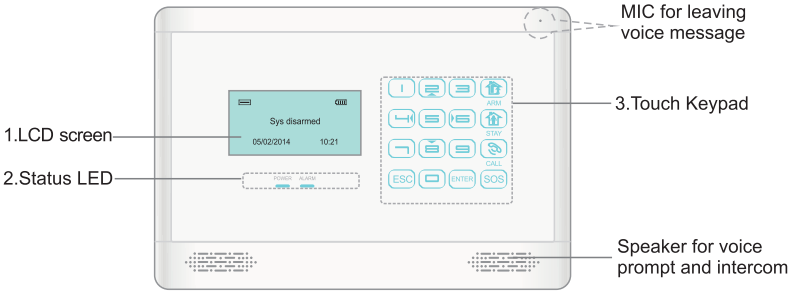
I.Function Instruction

- ☆ **100 defense zones:** Emergency zone (0), 96 wireless zones (1-96), 2 wired zones (98-99), anti-tamper zone (97).
- ☆ **Remote control:** maximum supports 9 wireless remote controls.
- ☆ **Display:** 128*64 Lattice LCD screen.
- ☆ **Alarm phone number:** 6 phone numbers and 1 center number.
- ☆ **Clock:** inner clock with calendar.
- ☆ **Voice recording:** 10 seconds voice recording and broadcasting.
- ☆ **Arm mode:** Remote control, System keypad, remotely calling.
- ☆ **Zone mode:** all zone can be programmed as: Real-time, Delay, 24-hour, bypass zone modes.
- ☆ **Timing Arm/disarm:** system can set up timing arm and timing disarm.
- ☆ **Siren sound setting:** can set siren make sound or not in any single defense zone.
- ☆ **System memory:** system will back to former status(Arm or Disarm) after power cut-off.
- ☆ **History record:** system will record latest 30 alarming history for checking.
- ☆ **Alarm priority:** alarming call is prior to normal call even when the phone is busy.
- ☆ **Phone line cut alert:** system will start alarm if PSTN telephone line cut off.
- ☆ **Number checking:** if no alarm number exists, system screen will remind when alarm happens.
- ☆ **Remote control:** user can dial the system connected telephone set to Arm, Disarm and listen-in.
- ☆ System can match with rechargeable Lithium battery.
- ☆ Compatible with wolf-guard and CID protocol, can connected with CMS.

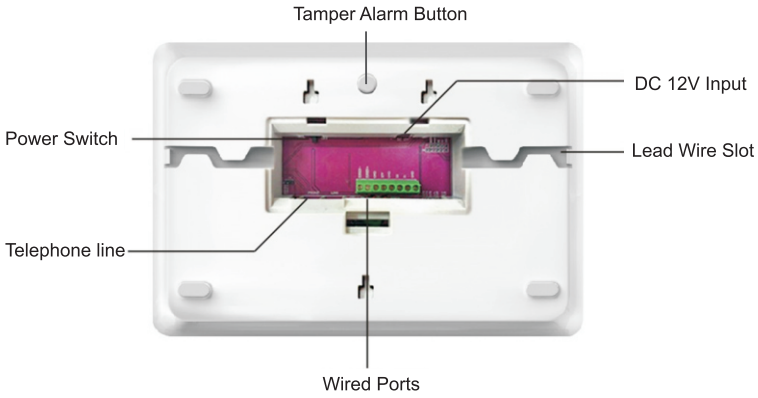
II. System Installation

Alarm panel better to be put in the centre of the defense area to work well with all wireless sensors. Please make sure to keep away from large-sized metal objects and high-frequency home appliances, also avoid reinforced concrete and fire-proof door such shielding materials.

Front side view



Back side view:



Wire connecting ports indication:

No.	Port	indication
1	SIREN-	Siren negative
2	SIREN+	Siren positive
3	GND	Ground
4	12V	12V output
5	GND	Ground
6	Z2	Wired input 1
7	Z1	Wired input 2
8	GND	Ground

III. System Setting

1.Initialization

Check the battery of wireless sensors, then use the telephone wire in the package to connect the telephone set, wired sensors and external siren with alarm panel. Plug system with DC12V adapter and turn on the system power switch, system start initialization. If battery low voltage the battery icon will flash on the LCD screen to remind, and after power on the system, icon will flash if telephone wire not well connected or being cut off, and siren will make sound.

2.Indicating voice

Wire connecting ports indication:

Voice	Refer to
Bi	Effective touch
bi bi bi	Ineffective

disarm	System enter disarm status
arm	System enter arm status
Home arm	System enter home arm status

3.LED indication

LED	Refer to
POWER	on: system under normal working status
ALARM	Flashing: delay alarm low flashing; alarming fast flashing

4.System Disarm

Press on remote control, or input “123456 + Enter ” on the system panel keypad, voice indicate system disarmed.

5.System Password

System has two passwords: **Operation password** (defaulted 123456) and **Program password** (defaulted 123123). Operation password used to disarm and remotely control system, Program password used to enter setting status. If you forget the password, please input command “95175308246+ Enter” under standby status (arm or disarm status), system will back to Factory defaulted password setting.

6.Enter Setting

Only enter Setting status can program the system, input program password (defaulted 123123) under Disarm status.

7.Quit Setting

Setting finished, press ESC to quit (if under sub-menu, need to quit first), and if no operation over 30 second, system will automatically back to standby status.

8.System Setting

(1)Remote Control Setting

Setting finished, press ESC to quit (if under sub-menu, need to quit first), and if no operation over 30 second, system will automatically back to standby status.

a. Input program password to enter setting status, choose Remote control menu.
b. Choose Pair or Delete.
c. Press Enter to confirm, after confirm Pair menu, please press remote control to emit signal, system will receive the signal, then you can press Enter to save it or press ESC to quit.

Remote control pairing diagrams

Fig 1: input program password under disarm status, then Enter

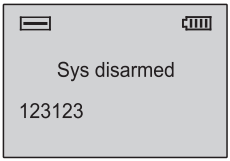


Fig 2: choose remote control menu, then Enter

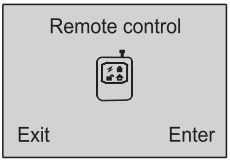


Fig 3: choose Pair, then press Enter

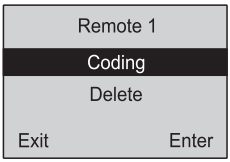


Fig 4: trigger remote control to emit, system wait remote control signal

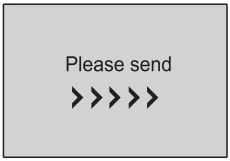


Fig 5: receive effective signal, pairing completed

Fig 6: receive coincident code

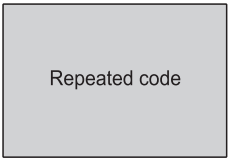
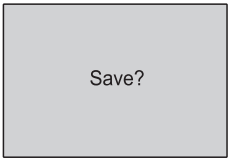


Fig 7: press Enter to save or press ESC to quit



Remote control deletion diagrams

Fig 1: input program password under disarm status, then Enter

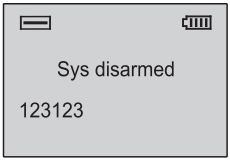


Fig 2: choose remote control menu, then Enter

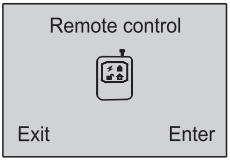


Fig 3: choose Delete, then press Enter

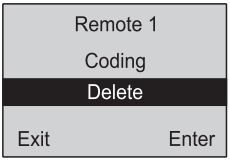


Fig 4: press Enter to finish the delete

(2)Defense Zone Setting

Defense zone setting including: Zone pairing, zone delete, siren sound time, delay alarm, alarming or not under (arm, home arm, disarm) status, total 99 defense zones.

a. Input program password to enter setting status, choose Zone menu.
b. Choose zone number (can choose by leftwards / rightwards key or input number directly, max 99 zones), then choose zone mode (press upwards or downwards key).

c. a.After choose any specific zone mode, press Enter to do next corresponded sub-settings below:

Zone Pairing diagrams

Fig 1: input program password under disarm status, then Enter

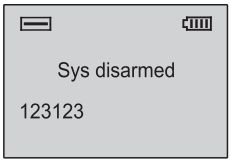


Fig 2: choose Zone menu, then Enter

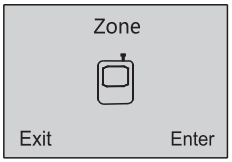


Fig 3: choose zone number and then Pair, press Enter

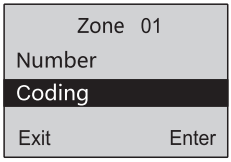


Fig 4: wait effective signal from sensors

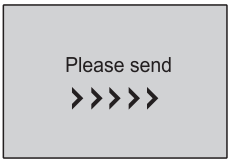


Fig 5: receive effective signal and pairing completed

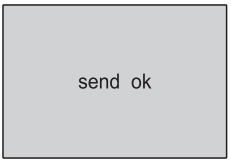


Fig 6: receive coincident sensor code

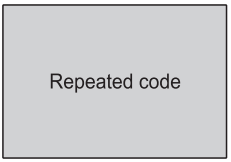
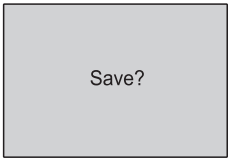


Fig 7: press Enter to save or press ESC to quit



Delete zone diagrams

Fig 1: input program password under disarm status, then Enter

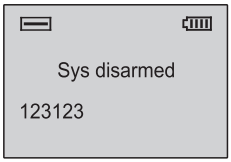


Fig 2: choose Zone menu, then Enter

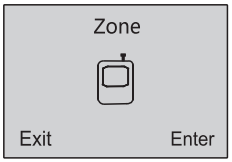


Fig 3: choose zone number and Delete menu

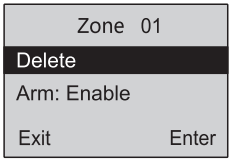


Fig 4: press Enter to delete

Zone Arm setting diagrams

Fig 1: input program password under disarm status, then Enter

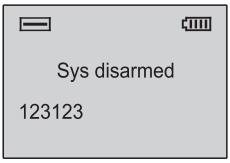


Fig 2: choose Zone menu, then Enter

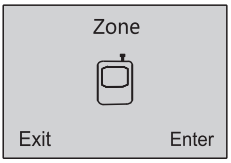
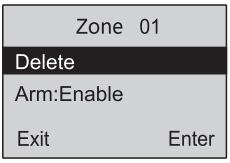


Fig 3: choose System Arm menu, then press Enter to switch Enable or Disable



Zone Home Arm Setting diagrams

Fig 1: input program password under disarm status, then Enter

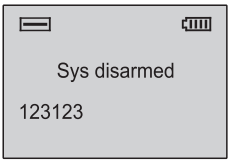


Fig 2: choose Zone menu, then Enter

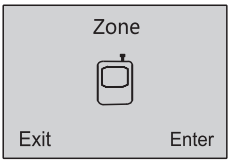
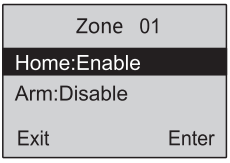


Fig 3: choose Home Arm menu, then press Enter to switch Enable or Disable



Zone Disarm Setting diagrams

Fig 1: input program password under disarm status, then Enter

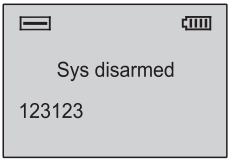


Fig 2: choose Zone menu, then Enter

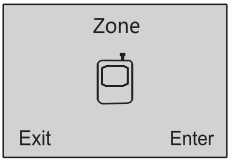
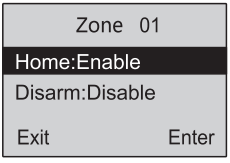


Fig 3: choose System disarm menu, then press Enter to switch Enable or Disable



Zone Siren Time setting diagrams

Fig 1: input program password under disarm status, then Enter

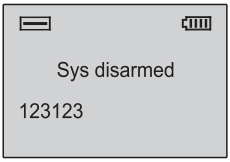


Fig 2: choose Zone menu, then Enter

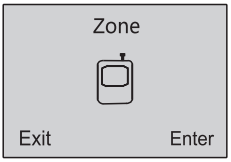
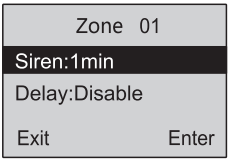


Fig 3: choose siren setting menu, then press Enter to switch Enable or Disable



Zone Delay setting diagrams

Fig 1: input program password under disarm status, then Enter

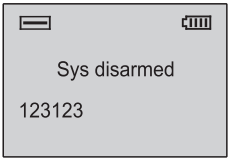


Fig 2: choose Zone menu, then Enter

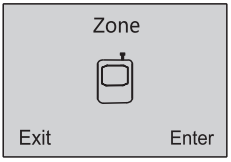
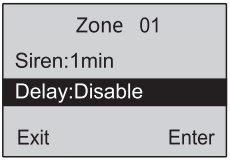


Fig 3: choose Delay setting menu, then press Enter to Enable or Disable



(3)Alarm Phone Number Setting

Alarm system can set maximum 6 alarm called phone numbers and 1 CMS number.

a. Input program password to enter setting status, choose Alarm Number menu.
b. Choose phone number serial (by leftwards or rightwards key).
c. Press Enter to number edit menu, input phone numbers and press Enter to save it or press ESC to quit.

Alarm phone numbers setting diagrams

Fig 1: input program password under disarm status, then Enter

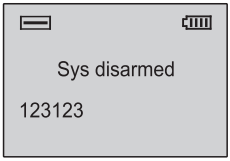


Fig 2: choose alarm phone number menu, then Enter

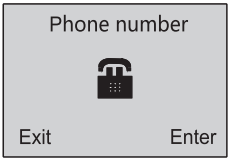


Fig 3: choose phone number serial, then Enter

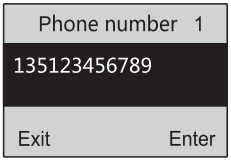
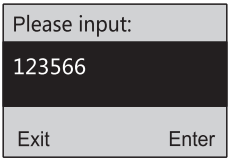


Fig 4: input phone number, then press Enter to save



Delete phone number setting diagrams

Fig 1: input program password under disarm status, then Enter

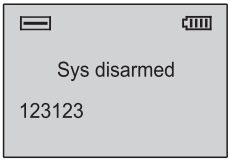


Fig 2: choose alarm phone number menu, then Enter

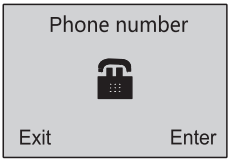


Fig 3: choose phone number serial, then choose delete menu

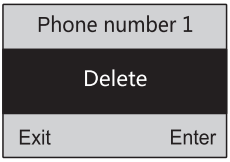


Fig 4: press Enter to delete

(4)Time Setting

Set system Date, Time, Timing Arm and Timing Disarm functions.

a. Put program password to enter setting status, choose Time menu.
b. Choose setting menu (Date, Time, Timing Arm, Timing Disarm).
c. Press Enter to start corresponded settings, press Enter to save, ESC to quit.

Alarm Date setting diagrams

Fig 1: input program password under disarm status, then Enter

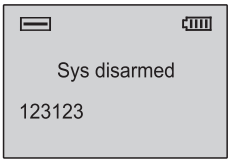


Fig 2: choose Time menu, then Enter

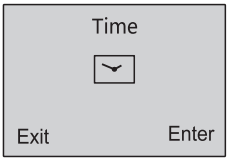


Fig 3: choose Date menu, then Enter

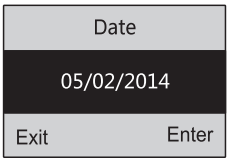
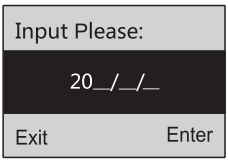


Fig 4: input current date, then press Enter to save



Alarm Time Setting diagrams

Fig 1: input program password under disarm status, then Enter

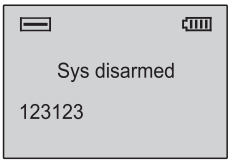


Fig 2: choose Time menu, then Enter

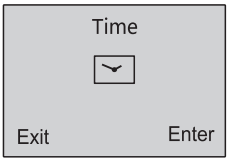


Fig 3: choose Time sub-menu, then Enter

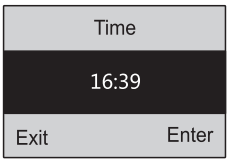
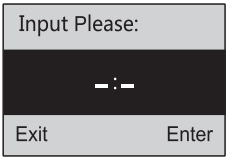


Fig 4: input current time, then press Enter to save



Timing Arm setting diagrams

Fig 1: input program password under disarm status, then Enter

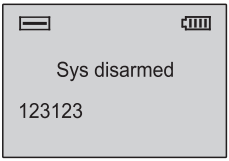


Fig 2: choose Time menu, then Enter

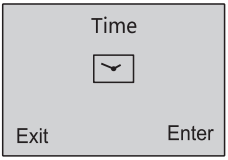


Fig 3: choose Timing arm menu, then Enter

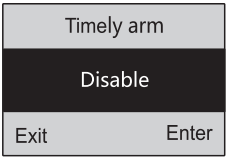
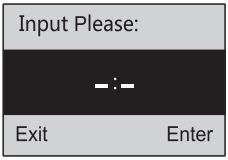


Fig 4: input timetable for timing arm, then Enter



Timing Disarm setting diagrams

Fig 1: input program password under disarm status, then Enter

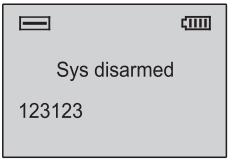


Fig 2: choose Time menu, then Enter

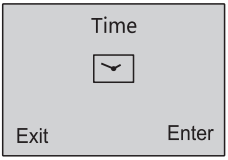


Fig 3: choose timing disarm menu, then Enter

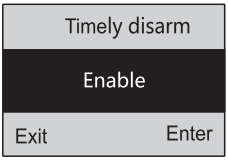
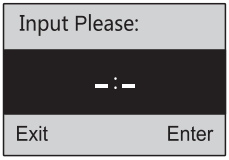


Fig 4: input timetable for timing disarm, then press Enter to save



(5)Voice Recording and Broadcasting

a. Input program password to enter setting status, choose Record menu.
b. Choose start or playback.
c. Press Enter to start Record or Playback (record time is 10 seconds)

Alarm Date setting diagrams

Fig 1: input program password under disarm status, then Enter

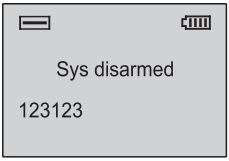


Fig 2: choose record menu, then Enter

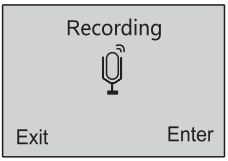


Fig 3: choose Start menu, then Enter

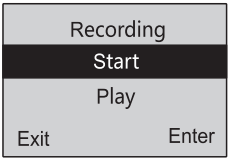


Fig 4: 10 second recording

Playback setting diagrams

Fig 1: input program password under disarm status, then Enter

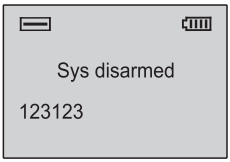


Fig 2: choose record menu, then Enter

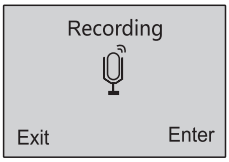


Fig 3: choose Playback menu, then Enter

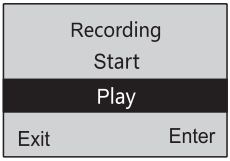


Fig 4: start playback

(6)Wireless Control setting

a. Input program password to enter setting status, choose Wireless control menu.
b. Choose Address or Control.
c. Press Enter again to enter corresponded setting.

Wireless address setting diagrams

Fig 1: input program password under disarm status, then Enter

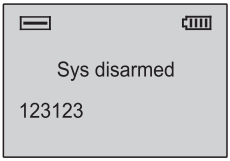


Fig 2: choose wireless control menu, then Enter

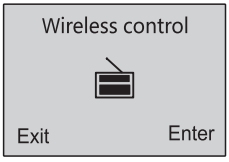


Fig 3: choose address menu, then Enter

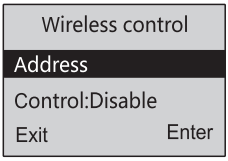
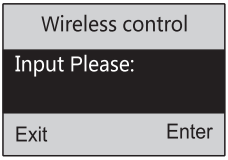


Fig 4: input 4 address number, press Enter to save, ESC to quit



Wireless Control setting diagrams

Fig 1: input program password under disarm status, then Enter

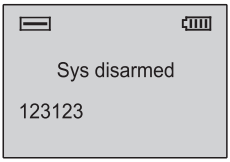


Fig 2: choose wireless control menu, then Enter

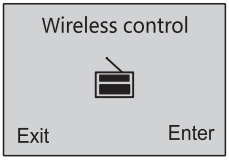
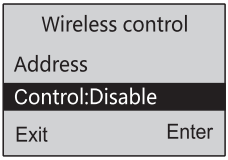


Fig 3: choose control selection, press Enter to Enable or Disable



(7)System Parameters Setting

Alarm system parameters settings including: Operation password, Program password, User ID, Delay Arm, Delay Alarm, Siren alert for Arm/Disarm/Alarm, Ring time, Alarm record, Language selection, back to factory setting.

a. Input program password to enter setting status, choose parameter setting menu.
b. Choose corresponded parameters selection.
c. Press Enter to choose every selection, start corresponded setting and press Enter to save it or press ESC to quit.

Set Operation Password diagrams

Fig 1: input program password under disarm status, then Enter

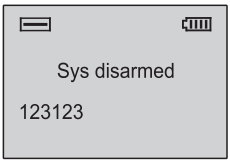


Fig 2: choose Setting menu, then Enter

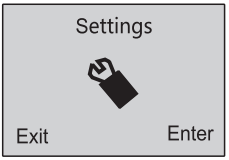


Fig 3: choose Operation password, then Enter

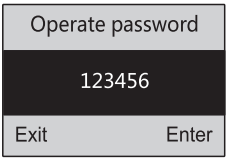
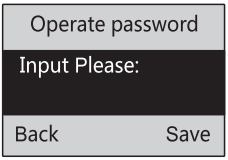


Fig 4: input 6 program password numbers, then press Enter to save or ESC to quit



Set Program Password diagrams

Fig 1: input program password under disarm status, then Enter

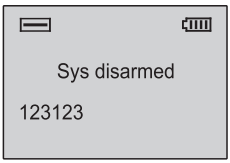


Fig 2: choose Setting menu, then Enter

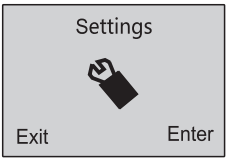


Fig 3: choose program password, then Enter

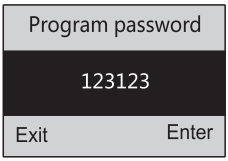
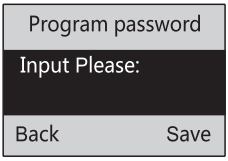


Fig 4: input 6 number program password, press Enter to save or ESC to quit



User ID setting diagrams

Fig 1: input program password under disarm status, then Enter

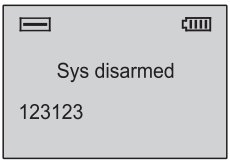


Fig 2: choose Setting menu, then Enter

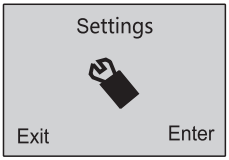


Fig 3: choose User ID, then Enter

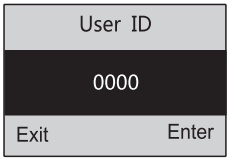
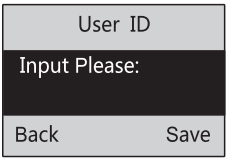


Fig 4: input 4 number user ID, press Enter to save or ESC to quit



Delay Arm setting diagrams

Fig 1: input program password under disarm status, then Enter

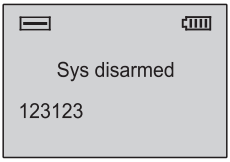


Fig 2: choose Setting menu, then Enter

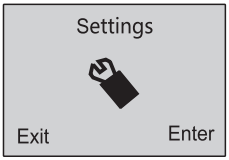


Fig 3: choose delay arm and Enter

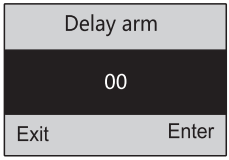
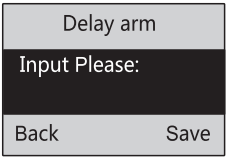


Fig 4: input delay arm time (2 numbers), then press Enter to save or ESC to quit



Delay Alarm setting diagrams

Fig 1: input program password under disarm status, then Enter

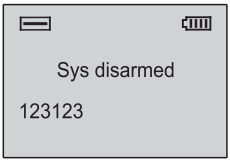


Fig 2: choose Setting menu, then Enter

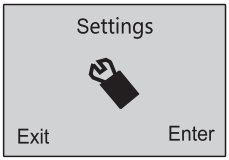


Fig 3: choose delay alarm and Enter

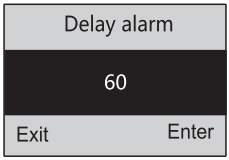
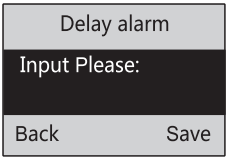


Fig 4: input delay alarm time (2 numbers), press Enter to save or ESC to quit



Siren sound for Arm/Disarm setting diagrams

Fig 1: input program password under disarm status, then Enter

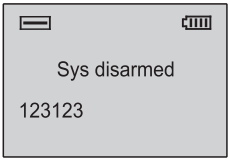


Fig 2: choose Setting menu, then Enter

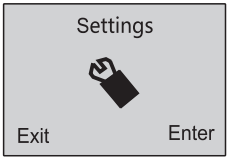
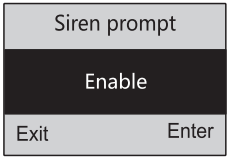


Fig 3: choose siren sound for arm/disarm selection, press Enter to Enable or Disable



Alarming Siren setting diagrams

Fig 1: input program password under disarm status, then Enter

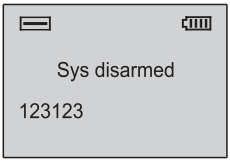


Fig 2: choose Setting menu, then Enter

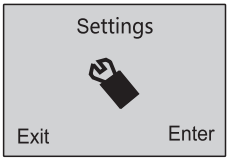
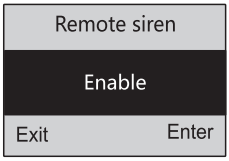


Fig 3: choose alarming siren selection, press Enter to Enable or Disable



Siren Ring Time setting diagrams

Fig 1: input program password under disarm status, then Enter

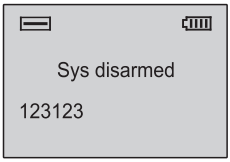


Fig 2: choose Setting menu, then Enter

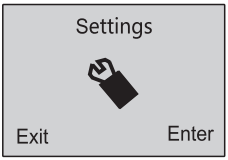


Fig 3: choose ring time selection, then Enter

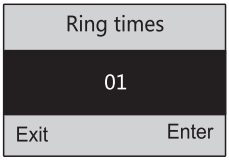
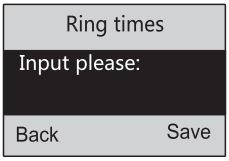


Fig 4: input 01-12 ring time number, press Enter to save or ESC to quit



Alarm Record checking diagrams

Fig 1: input program password under disarm status, then Enter

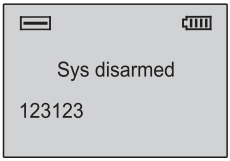


Fig 2: choose Setting menu, then Enter

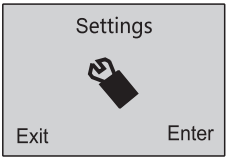


Fig 3: choose alarm record selection, then Enter

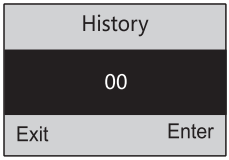
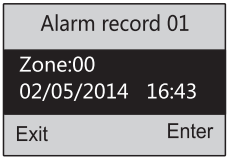


Fig 4: checking latest alarm record



Siren Ring Time setting diagrams

Fig 1: input program password under disarm status, then Enter

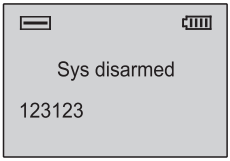


Fig 2: choose Setting menu, then Enter

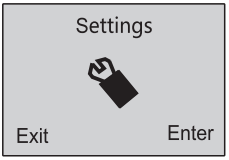
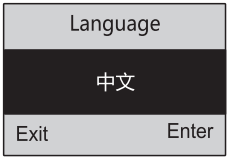


Fig 3: choose language selection, press Enter to choose



Back to factory setting diagrams

Fig 1: input program password under disarm status, then Enter

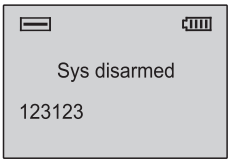


Fig 2: choose Setting menu, then Enter

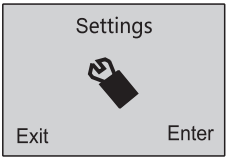


Fig 3: choose back to factory selection, then Enter

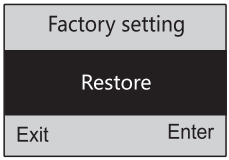
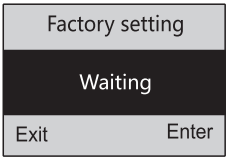


Fig 4: wait for system back to factory setting



Operation password: defaulted 123456 (6 numbers)
Program password: defaulted 123123 (6 numbers)
User ID: defaulted 0000 (from 0000-9999)
Delay Arm: defaulted 00s (from 00-99 second)
Delay Alarm: defaulted 60s (from 00-99 second)
Ring time: defaulted 01 (from 01-12)
Siren for Arm/disarm: defaulted Enable
Siren for Alarm: defaulted Enable
Alarm record: preserve latest 30 records (content: zone number, date and time)
Language version: English/Chinese

After reset to factory setting, some parameters as follows:
Remote control: cleared
Called numbers: cleared
Operation password: 123456
Program password: 123123
User ID: 0000
Delay arm: 00s
Delay alarm: 60s
Timing disarm: Disabled
Timing arm: Disabled
Ring time: 01
Siren for Arm/disarm: Enabled
Siren for Alarm: Enabled
Language: English
System status: Disarmed
Wireless control address: 1111, defaulted OFF

Zone	Arm	Home arm	Disarm	Siren	Delay
01	effective	effective	ineffective	1minute	ineffective
02 – 96	effective	ineffective	ineffective	1minute	ineffective
97	effective	effective	effective	1minute	ineffective
98,99	effective	ineffective	ineffective	1minute	ineffective

IV. Operation Instructions

1.Away Arm

Away Arm refers to nobody at home, all sensors and detectors under working status. Any causes (theft, intrusion, fire, gas leak, etc.) will trigger sensors and the alarm system will start alarm.
Press ARM on the alarm panel, system will voice prompt System Arm after delay time and buzzer sound. And you can also press the

on remote control to Arm the system.

2.Home Arm

Home Arm refers to somebody stay at home, need part of sensors and detectors (Door, window, balcony etc) under working status, while some part of sensor (hall, room) do not working.

Press STAY on the alarm panel, system will enter Home arm status immediately.

And you can also press the on remote control to Home Arm the system.

3.Disarm

Disarm refers to stop system alarming, or set the system into disarmed status, sensors and detectors triggered will not start alarm (24-hour zone and Emergency alarm excepted) .

Input Operation Password and press **ENTER**.

And you can also press the on remote control to Home Arm the system.

4.Emergency aid

Under some emergent situations (sudden illness of the seniors or kids, catch fire, robbery etc), press SOS button on system keypad or remote control / wireless panic button, system will start alarm and dial the preset phone numbers.

5.Emergency calling

Under emergency, input phone number and press CALL button on system keypad, system will dial this phone number to make an alarm.

6.Alarm receiving and handling

When alarm happens, system will dial the preset phone numbers and sound siren, if no one answers the call or line is busy, system will dial next number.System will rotationally dial each preset numbers for 3

times, after pick-up and get through the calling, system will broadcast the recorded voice for 3 times, within each interval there will be 5 second time for user to operate. If user get through the calling and arm/disarm it, system will end current alarming. System will hang up the calling automatically at 60 second if user do not hang up it, then can carry out following operations over the phone keypad:

Input 1# -- Arm
Input 2# -- Disarm
Input 3# -- Listen-in (30 second, press 3# again to start another listening-in period if needed)
Input *# -- hang up

7.Remote control

User can dial the system phone number, system will get it through, then input operation password (defaulted 123456) and press ENTER, after 60 second system will hang up the calling automatically, then user can carry out following operations over the phone keypad:

Input 1# -- Arm
Input 2# -- Disarm
Input 3# -- Listen-in (30 second, press 3# again to start another listening-in period if needed)
Input *# -- hang up

8.CMS connection

System support CMS uploading function after user set center phone number and user ID, system will call center phone number first when alarm happens, and upload alarm event to CMS.

Note: Please do not set the center phone number if you don't need the alarm system work with CMS, or it will lengthen alarming time when alarm happens.

CID uploading functions and code：

Zone number	Alarm information	CID code
00	System arm	3400
00	System disarmed	1400
00	Medical	1100
97	Tamper	1137
98,99	Polling loop open	1141
01 – 96	General Alarm	1140

V. Technical Parameters

Power Supply: DC12V/500mA
Static Current: 50mA
Alarm Current: ＜450mA
Output Current: DC12V 150mA
Wireless frequency: 433MHz±0.5MHz
Siren volume: 110db
Backup battery: 7.4V Lithium battery
Working Temperature: 5℃~+45℃
Humidity: ≤90%

VI. Package Components

System panel	1 pc,
Remote control	2 pcs,
Siren	1 pc,
Radio PIR sensor	1 pc,
Radio Door sensor	1 pc,
Power adapter	1 pc,
Telephone wire	1 pc,
User manual	1 pc,

VII. Maintenance Care

Correct usage and regular maintenance will make alarm system works well and stable.

System inspection and test periodically (every three months) is highly recommended.

System main panel (every three months):

1. Whether it can arm/disarm normally;
2. Whether it can dial out phone numbers normally;
3. Whether it can receive wireless signal normally from sensors;
4. Whether the back-up battery can work normally.

Sensors & detectors (every month):

1. Trigger wireless detectors to see if system can alarm normally;
2. Check all detectors' battery;
3. Check whether wireless detectors can send signal to system normally.

The following sensors are optional:

Signal booster

Wireless Keypad

Solar Power
Flash Siren

Door Sensor

Panic Button

Remote

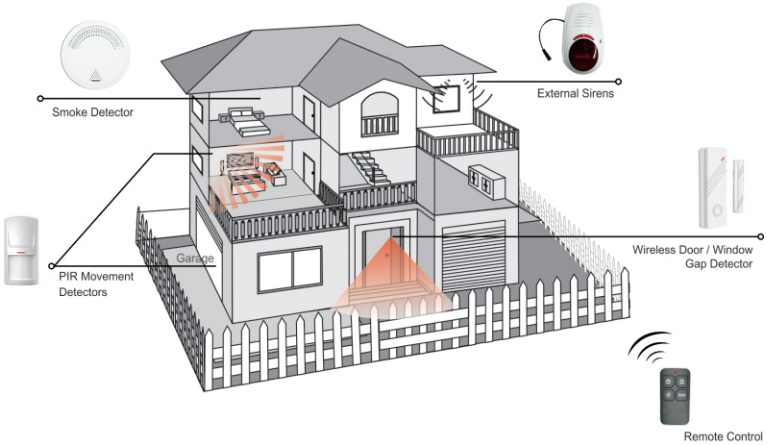
Smoke Detector

Gas Detector

PIR Detector

Optional sensors/detectors are packed separately. You can choose according to your specific requirements.

Typical house configuration



PHONE CALL

PSTN Alarm System

V3.0-EN 2014.06.12